

(FILE 'USPAT' ENTERED AT 16:26:03 ON 30 JUL 1999)

L1        20710 S LAYER3 OR LAYER-3  
L2        21 S MPEG(20A)L1  
L3        26445 S 369/CLAS  
L4        0 S L2 AND L3  
L5        598 S L3 AND L1  
L6        664249 S MEDIUM OR DIS#  
L7        17 S L2 AND L6

=> d 12 4, 9

4. 5,898,119, Apr. 27, 1999, Method and apparatus for generating musical accompaniment signals, and method and device for generating a video output in a musical accompaniment apparatus; Kevin Tseng, et al., 84/610; 434/307A [IMAGE AVAILABLE]

9. 5,864,817, Jan. 26, 1999, Method for decoding MPEG audio data; David

7/9/1 (Item 1 from file: 65)

DIALOG(R) File 65:Inside Conferences

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01862924 INSIDE CONFERENCE ITEM ID: CN019270477

ISO/ IEC **MPEG-2 Advanced** Audio Coding

Bosi, M.; Brandenburg, K.; Quackenbush, S.; Fielder, L.

CONFERENCE: Audio Engineering Society-Convention; 101st

PREPRINTS-AUDIO ENGINEERING SOCIETY, 1996; ISSUE 4382 P: ALL

AES, 1996

LANGUAGE: English DOCUMENT TYPE: Conference Separate preprinted papers

CONFERENCE SPONSOR: Audio Engineering Society

CONFERENCE LOCATION: Los Angeles, CA

CONFERENCE DATE: Nov 1996 (199611) (199611)

BRITISH LIBRARY ITEM LOCATION: 6609.010000

NOTE:

Nos 4323 to 4403 held with gaps

DESCRIPTORS: audio engineering; AES

11/9/1 (Item 1 from file:

DIALOG(R) File 2:INSPEC

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04328275 INSPEC Abstract Number: B9303-6120B-002

**Title: The ISO/ MPEG- audio codec: a generic standard for coding of high quality digital audio**

Author(s): Stoll, G.; Brandenburg, K.

Author Affiliation: Inst. fur Rundfunktechnik, Munchen, Germany

Journal: ITG-Fachberichte vol.118 p.95

Publication Date: 1992 Country of Publication: West Germany

CODEN: ITGFEY ISSN: 0341-0196

Conference Title: Horrundfunk (Audio Broadcasting)

Conference Date: 18-20 Feb. 1992 Conference Location: Mannheim, Germany

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: General, Review (G)

Abstract: Summary form only given. This paper describes the audio part of the proposed standard. Three layers of the audio coding scheme with increasing complexity and performance were defined. Layer I contains the basic mapping of the digital audio input into 32 subbands, fixed segmentation to format the data into blocks, a psychoacoustical model to determine the adaptive bit allocation, and quantization using block companding and frame coding. Layer II provides additional coding of bit allocation, scale factors and samples. Layer III, fixed at the end of 1991, is based on increased frequency resolution. The generic coding system is suitable for different applications, such as storage on inexpensive storage media or transmission over channels with limited capacity (e.g. digital audio broadcasting or ISDN audio transmission). (0 Refs)

Subfile: B

Descriptors: audio signals; code standards; codecs; data compression; digital signals; telecommunication standards

Identifiers: ISO/MPEG-audio codec; generic standard; audio coding scheme; complexity; performance; subbands; fixed segmentation; psychoacoustical model; adaptive bit allocation; quantization; block companding; frame coding; frequency resolution; generic coding system; storage; transmission; digital audio broadcasting; ISDN audio transmission

Class Codes: B6120B (Codes); B6450 (Audio equipment and systems); B6220 (Stations and subscriber equipment); B6420 (Radio and television broadcasting)

16/9/1 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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01862928 INSIDE CONFERENCE ITEM ID: CN019270510

The WorldStar(TM) Sound Format

Buchta, R.; Meltzer, S.; Kunz, O.

CONFERENCE: Audio Engineering Society-Convention; 101st

PREPRINTS-AUDIO ENGINEERING SOCIETY, 1996; ISSUE 4385 P: ALL

AES, 1996

LANGUAGE: English DOCUMENT TYPE: Conference Separate preprinted papers

CONFERENCE SPONSOR: Audio Engineering Society

CONFERENCE LOCATION: Los Angeles, CA

CONFERENCE DATE: Nov 1996 (199611) (199611)

BRITISH LIBRARY ITEM LOCATION: 6609.010000

NOTE:

Nos 4323 to 4403 held with gaps

DESCRIPTORS: audio engineering; AES

21/3/6 (Item 1 from file: 144)  
DIALOG(R) File 144:Pascal  
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12906884 PASCAL No.: 97-0172891

Overview of MPEG audio : Current and future standards for low- bit  
- rate **audio coding**

BRANDENBURG K; BOSI M  
FhG-IIS, 91058, Erlangen, Germany; Dolby Laboratories, San Francisco, CA  
94103, United States

Convention of the Audio Engineering Society, 99 (New York, NY USA)

1995-10-05

Journal: Journal of the Audio Engineering Society, 1997, 45 (1-2) 4-21

Language: English

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7/9/1 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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01017585 INSIDE CONFERENCE ITEM ID: CN009950497

**Second** Generation ISO/ MPEG-**Audio Layer III** Coding

Herre, J.; Brandenburg, K.; Eberlein, E.; Grill, B.

CONFERENCE: 98th Convention

PREPRINTS- AUDIO ENGINEERING SOCIETY, 1995; ISSUE 3939(A3) P: ALL  
AES, 1995

ISSN: NONE-0293

LANGUAGE: English DOCUMENT TYPE: Conference Separate preprints

CONFERENCE SPONSOR: Audio Engineering Society

CONFERENCE LOCATION: Paris

CONFERENCE DATE: Feb 1995 (199502) (199502)

BRITISH LIBRARY ITEM LOCATION: 6609.010000

NOTE:

Separate paper nos 3937-4020 with gaps held only

DESCRIPTORS: AES; audio engineering

34/3/1 (Item 1 from file: 65)

DIALOG(R) File 65:Inside Conferences

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00157550 INSIDE CONFERENCE ITEM ID: CN001581776

Layer-III A Flexible Coding Standard

Eberlein, E.; Popp, H.; Grill, B.; Herre, J.

CONFERENCE: 94th Convention

PREPRINTS- AUDIO ENGINEERING SOCIETY, 1993; ISSUES 3458-3671 P: 3493

AES, 1993

ISSN: NONE-0293

LANGUAGE: English DOCUMENT TYPE: Conference Separate preprints

CONFERENCE SPONSOR: Audio Engineering Society

CONFERENCE LOCATION: Berlin

CONFERENCE DATE: Mar 1993 (199303) (199303)

NOTE:

Separate paper nos 3458-3671 with gaps held only

48/3/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

4839104 INSPEC Abstract Number: B9501-6210M-010

**Title: ISDN and ISO/ MPEG layer III audio coding: Powerful new tools for broadcast audio production**

Author(s): Church, S.

Author Affiliation: Telos Syst., USA

Journal: ABU Technical Review no.153 p.8-19

Publication Date: July-Aug. 1994 Country of Publication: Malaysia

CODEN: ABUTAU ISSN: 0126-6209

Language: English

Subfile: B

?t s48/9/all

48/9/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

4839104 INSPEC Abstract Number: B9501-6210M-010

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Author(s): Church, S.

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Journal: ABU Technical Review no.153 p.8-19

Publication Date: July-Aug. 1994 Country of Publication: Malaysia

CODEN: ABUTAU ISSN: 0126-6209

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: The combination of two new technologies is transforming an important aspect of the broadcast industry. The first, ISDN, or integrated services digital network, is poised to alter the delivery of telephone services worldwide by converting connections from the lumbering analog voice format invented at the turn of the century to a digital info-product appropriate to the 21st century. The second, ISO/MPEG layer III audio compression, represents the latest in the development of methods for the coding of digital audio using high bit-rate reduction factors. Together, these technologies make it possible to convey broadcast-quality audio with the convenience, ubiquity, and low cost of the dial-up telecommunications network. (17 Refs)

Subfile: B

Descriptors: audio signals; broadcasting; data compression; encoding; ISDN; telephony

Identifiers: ISDN audio coding; ISO/MPEG layer III audio coding; broadcast audio production; broadcast industry; integrated services digital network; telephone services; analog voice format; digital info-product; ISO/MPEG layer III audio compression; digital audio; high bit-rate reduction factors; broadcast-quality audio; dial-up telecommunications network

Class Codes: B6210M (ISDN); B6120B (Codes); B6210D (Telephony)

55/3/1 (Item 1 from file: 65)  
DIALOG(R)File 65:Inside Conferences  
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00735578 INSIDE CONFERENCE ITEM ID: CN007175516  
Improved **MPEG-2** Audio **Multi-Channel** Encoding  
Grill, B.; Herre, J.; Brandenburg, K. H.; Eberlein, E.  
CONFERENCE: 96th Convention  
PREPRINTS- AUDIO ENGINEERING SOCIETY, 1994; ISSUE 3865 P: ALL  
AES, 1994  
ISSN: NONE-0293  
LANGUAGE: English DOCUMENT TYPE: Conference Separate preprints  
CONFERENCE SPONSOR: Audio Engineering Society  
CONFERENCE LOCATION: Amsterdam  
CONFERENCE DATE: Feb 1994 (199402) (199402)  
NOTE:  
Separate paper nos 3782-3871 with gaps held only